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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Peter M. Goodwin et al. Docket No.: S-94,652

Serial No.: 09/862,855 Examiner:

Filed : May 22, 2001 Art Unit:

For : RAPID HAPLOTYPE BY SINGLE MOLECULE DETECTION

Assistant Commissioner for Patents  
Washington, DC 20231

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.56, 1.97, AND 1.98**

Sir:

The documents listed below, copies attached, may be material to the examination of the subject application and is therefore submitted in compliance with the duty of disclosure defined in 37 CFR 1.56.

1. Stanton, Jr., "Probes for variance detection," US Patent 6,183,958, Issued, Feb. 6, 2001.
2. Goelet et al., "Method for determining nucleotide identity through extension of immobilized primer," US Patent 6,004,744, Issued, Dec. 12, 1999.
3. Mathies et al., "Capillary array confocal fluorescence scanner and method," US Patent 5,274,240, Issued, Dec. 28, 1993.

CERTIFICATE OF MAILING/TRANSMISSION (37 CFR 1.8(a))

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July 20, 2001

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(type or print name of person certifying)

4. Mathies et al., "Multiple tag labeling method for DNA sequencing," US Patent 5,436,130, Issued, July 25, 1995.
5. Conrad, "Probes comprising fluorescent nucleosides and uses thereof," US Patent 5,652,099, Issued, July 29, 1997.
6. Mathies et al., "Fluorescent labels and their use in separations," US Patent 5,654,419, Issued, August 5, 1997.
7. Cai et al., (2000) "Flow cytometry-based minisequencing: A new platform for high-throughput single-nucleotide polymorphism scoring," *Genomics* **66**, 135-143.
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12. Wooley A.T. et al. (2000) "Direct haplotyping of kilobase-size DNA using carbon nanotubes probes," *Nature Biotechnology* **18**: 760-763.
13. Brookes A.J. et al (1999), "The essence of SNPs," *Gene* **234**:177-186.
14. Chen X.N. et al. (1999) "Homogeneous genotyping assays for single nucleotide polymorphisms with fluorescence resonance energy transfer detection," *Genetic Analysis Biomolecular Engineering* **14** (5-6): 157-163.
15. Hodge S.E. et al (1999). "Loss of information due to ambiguous haplotyping of SNPs". *Nat. Genetics*. **21**:360-361.
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17. Kwok P. (1999). "Single nucleotide polymorphism libraries: Why and how are we building them?" *Molecular Medicine Today* **5**:538-543.

18. Orum, H. et al. (1999) "Detection of the Factor V Leiden mutation by direct allele specific hybridization of PCR amplicons to photoimmobilized locked nucleic acids," *Clinical Chemistry* **45**:1898-1905.
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This Information Disclosure Statement is not to be construed as a representation that a search has been made, that additional matter material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art under 35 U.S.C. 102.

It is requested that the above citations be made of record in the prosecution of this application.

Respectfully submitted,

Date: July 20, 2001

Reg. No. 28,351  
Phone (505) 665-3112



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Signature of Attorney

Ray G. Wilson  
Los Alamos National Laboratory  
LC/BPL, MS D412  
Los Alamos, New Mexico 87545



Sheet 1 of 4

Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office								Attorney Docket No.  S-94,652	Serial No.		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>								Applicant(s)  Peter M. Goodwin				
								Filing Date  37 CFR 1.98(b)	Group			
<b>U.S. PATENTS DOCUMENTS</b>												
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	6	1	8	3	9	5	8	02/06/01	Stanton, Jr.	435	6	05/06/98
	6	0	0	4	7	4	4	12/21/99	Goelet et al.	435	5	10/11/91
	5	2	7	4	2	4	0	12/28/93	Mathies et al.	250	458.1	02/24/92
	5	4	3	6	1	3	0	07/25/95	Mathies et al.	436	6	10/26/93
	5	6	5	2	0	9	9	07/29/97	Conrad	435	6	08/18/94
	5	6	5	4	4	1	9	08/05/97	Mathies et al.	536	25.4	02/01/94
<b>FOREIGN PATENT DOCUMENTS</b>												
EXAMINER INITIAL	PATENT NUMBER							ISSUE DATE	COUNTRY	CLASS	SUB CLASS	Translation YES NO
<b>OTHER DOCUMENTS</b> (Including Author, Title, Date, Place of Publication)												
	Cai et al., (2000) "Flow cytometry-based minisequencing: A new platform for high-throughput single-nucleotide polymorphism scoring," <i>Genomics</i> <b>66</b> , 135-143.											
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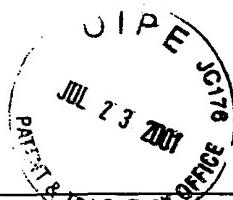
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